

Proof a press with CMYK

<u>Application:</u> Adobe Illustrator CS <u>Printer:</u> HP Designjet 30/90/130 series <u>Software</u>: EFI Designer Edition for HP <u>Operating System:</u> Windows



- 1. First recommendations:
 - Some paper types are better than others for proofing, see the <u>Media type functionality &</u> <u>features</u> and choose the most appropriate media.
 - It is essential to have the media type correctly calibrated with the printer and print mode, consult the <u>Calibrate my printer</u> section.
- 2. Open the EFI Designer Edition RIP.
- 3. EFI Designer Edition RIP settings, **Preferences**:
 - Color:
 - o Check the Active Color Management checkbox.
 - Paper name: Select the paper type that is loaded on the printer (always calibrated) and "Best" print quality.
 - **Print resolution**: 600 x 600.
 - Color output mode: Proof.
 - **CMYK**: Select the press profile you want to emulate. If it is not there, click the **Add profile** button and browse to it.

Select the **Relative Colorimetric** intent (select **Absolute Colorimetric** if you want to emulate the white of the paper).

Preference	es								
~~~									
General	Color	Layout	Output	Nesting	Printer	Spot Colors	Paper profiles		
✓ Activate Color Management								1	
Paper name: HP Premium Plus Photo and Proofing Gloss Paper (HP DYE, Best)									
Print resolution:		60	00 x 600		•	dpi			
Color mode:			MYKcm		•				
- Color	r settings —								
C	olor output m	iode: Pi	oof		•				
R	GB: Ado	beRGB1998.id	÷C	•	Percep	tual		•	
CN	MYK: Pres	s profile		•	Relativ	e colorimetric (no paper white)	•	
Gr	ray: ISO	newspaper26v	4_gr.icc	-	Percep	tual		•	
Used simulation profile silvia.icc									
		Add profile		elete profile					
Print RGB in grayscales Black Point Compensation									
Use embedded profiles Solid black: 0.0%									
Reset setti	ings Sa	ave Prefs	Load Prefs				Cancel		ЭК

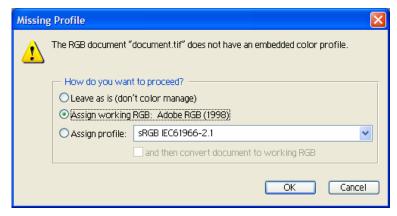
- Click **OK**.
- 4. Open Adobe Illustrator CS.
- 5. Configure the Color Settings, Edit menu > Color Settings...:
 - Make sure the **Advanced Mode** check box is ticked.
 - Working Space > RGB: select Adobe RGB (1998).

- Working Space > CMYK: Euroscale Coated v2 (for Europe), U.S. Web Coated (SWOP) v2 (for US) and Japan Standard v2 (for Japan).
- Color Management Policies: Preserve the Embedded Profiles.
- Profile Mismatches: check Ask When Opening and Ask When Pasting.
- Missing Profiles: check Ask When Opening.
- Conversion Options > Intent: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

Color Settings	
Settings: Custom ♥ Advanced Mode Working Spaces BGB: Adobe RGB (1998) © MYK: Euroscale Coated v2 Color Management Policies RGB: Preserve Embedded Profiles CMYK: Preserve Embedded Profiles Profile Mismatches: Ask When Opening ✓ Ask When Pasting! Missing Profiles: Missing Profiles: ✓ Ask When Opening Conversion Options Engline: Adobe (ACE) ✓ Intent: Perceptual ✓ Use Black Point Compensation	OK Cancel Load Save
Description:	

- Click OK
- 6. Open the image, **File menu > Open**...:
 - If the document has an embedded color profile that does not match the current working space, select **Use the embedded profile**. Otherwise, select **Assign working space**.

Embedded	Profile Mismatch			
1	The document's embedded color profile does not match the current RGB working space.			
_	Embedded: sRGB IEC6 1966-2.1			
	Working: Adobe RGB (1998)			
	How do you want to proceed? • Use the embedded profile (instead of the working space) • Convert the document's colors to the current working space • Discard the embedded profile (don't color manage)			
	Cancel OK			



- Click OK.
- 7. Make sure you have configured the **Document Setup** appropriately for your document, **File menu > Document Setup...**.
- 8. Printer settings, File menu > Print... > Setup... button:
 - Select Printer...: Select the printer (ex. EFI Designer Edition).
 - Preferences:
 - Layout tab:
 - Orientation: Select the orientation of your document on the paper.
 - Advanced...:
 - **Paper/Output > Paper Size:** Select the paper size of the media loaded on the printer.
 - Document Options > Printer Features:
 - Paper Size: Setup
 - Select **RIP's Default** on the others settings.

EFI Designer Edition Advanced Options			
FI Designer Edition Advanced Document Settings Paper/Output Paper Size: A3 plus B plus Graphic Print Quality: <u>RIP's Default</u> Of Image Color Management ICM Method: <u>ICM Disabled</u> ICM Intent: <u>Pictures</u> Scaling: <u>100 %</u> TrueType Font: <u>Substitute with Device Font</u> PostScript Options Printer Features Media type: <u>RIP's Default</u> Source: <u>RIP's Default</u> Print mode: <u>RIP's Default</u> Paper size: <u>Setup</u>			
OK Cancel			

• Click **OK** until the Illustrator **Print** dialog box.

- 9. Adobe Illustrator **Print...** settings:
 - General (left hand menu):
 - **Media > Size:** Defined by Driver.
 - **Options:** Select the scaling option you need.
 - **Output** (left hand menu):
 - o Mode: Composite.
 - Color Management (left hand menu):
 - Print Space > Profile: Select the press profile you want to emulate. If you need to add the press profile in the application, copy it in the next folder: Windows 98: WINDOWS>System>Color Windows NT: WinNT>System32>Color Windows 2000: C: > WINDOWS > System32 > Spool > Drivers > Color Windows XP: C: > WINDOWS > System32 > Spool > Drivers > Color
 - Print Space > Intent: Perceptual (for RGB images) or Relative Colorimetric (for CMYK images).

Print	
Print Pre Prin	ter: EFI Designer Edition
General Setup Marks & Bleed Output Graphics Color Management Advanced Summary	PD: Default (EFI Software Printer)
Save Preset) Setup	Print Cancel Do <u>n</u> e

• Click Print.

For more information on HP Designjet products

www.hp.com/go/designjet

© 2005 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Adobe Photoshop and PostScript are trademarks of Adobe Systems Incorporated. PANTONE is Pantone, Inc.'s check-standard trademark for color.

Rev. 1.0, 09/2005

